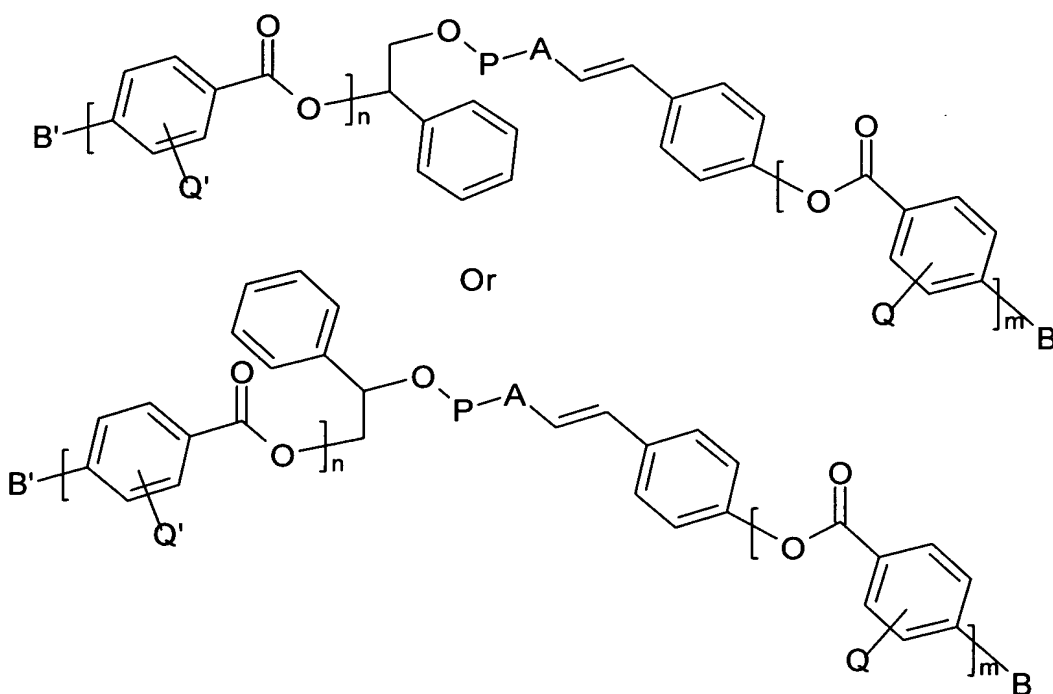


ABSTRACT:

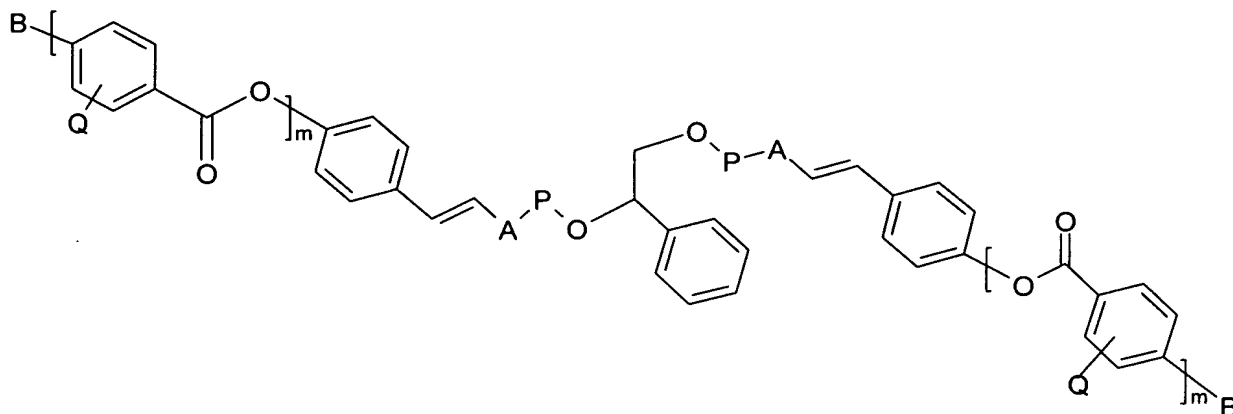
The invention pertains to a phenylethanediol derivative having at least one polymerizable group, characterized in that the phenylethanediol derivative further comprises at least one photo-convertible group for adjusting the helical twisting power of the phenylethanediol derivative. According to a preferred embodiment the phenylethanediol has

5 the formula



wherein

- 10 A stands for a bond or a p-phenylene group;
 B and B' are independently $(O)_p-C_6H_{2o}-O-CO-CR'=CH_2$, o being 2-12, p being 0 or 1, and R' being H or CH_3 ;
 P stands for a CH_2 or a $C=O$ group;
 Q and Q' are independently selected from H, C1-C3 alkyl, C1-C3 alkoxy, halogen, and CN;
 15 n is an integer from 1 to 3; and
 m is an integer from 0 to 2;
 and:



wherein

A stands for a bond or a p-phenylene group;

B is $(\text{O})_p-\text{C}_6\text{H}_{2o}-\text{O}-\text{CO}-\text{CR}'=\text{CH}_2$, o being 2-12, p is 1, and R' being H or CH_3 ;

5 P stands for a CH_2 or a $\text{C}=\text{O}$ group;

Q is selected from H, C1-C3 alkyl, C1-C3 alkoxy, halogen, and CN; and

m is an integer from 0 to 2.